#3

1/1970

RALEIGH AMATEUR RADIO SOCIETY

RARS

WORLDWIDE FRIENDSHIP

DAVE LANGLEY, W4YDY/K4IWJ
EDITOR

TOM ALEXANDER, WA4OTA
ASSISTANT EDITOR

P. O. BOX 12541

"Raleigh Amateur Radio Society News"

NEXT MEETING

The next monthly meeting of the RARS will be held Wednesday evening, January 7th at 7:30 PM. The meeting will be at the Civil Defense Headquarters in the basement of the North Carolina State Government Administrative Building on 116 West Jones street. Ample parking is available behind the building. Please enter through the back door. Everybody is welcome.

MESSAGE FROM THE RARS PRESIDENT

At 7:30 PM, December 12th, 1969, the Raleigh Amateur Radio Society held its eleventh regular meeting at the State Civil Defense Headquarters in Raleigh. This ARRL Affiliated Society is very young, but look at some of its achievements:

1. Over 50 paid members.
2. Varied meetings (including general, technical, and auctions).
3. An excellent meeting place.
4. Full field-day operation with:
   a. good score
   b. excellent participation
   c. good publicity (radio, newspaper, and TV)
   d. lots of visitors (over 100 counted)
5. Solving TVI problems.
6. Meeting public service requests.
7. Regular novice training three nights per week.
8. Regular upgrading classes each Wednesday night.
9. Club project - two-meter FM.
10. Requested and obtained "Ham Radio Week" proclamation, "on the air," from Governor Scott. Radio Amateurs in North Carolina received lots of state-wide and out-of-state publicity.
11. Publish a regular monthly newsletter.
12. Hosted state-wide meeting featuring ARRL Roanoke Division Director, Vic Clark.

Needless to say, these accomplishments have required lots of "Ham power" and enthusiam. To my knowledge it is unheard of for a new club or society to produce in this manner in less than one year. This kind of growth and achievements was planned from the start when the charter members and steering committee decided to form the RARS with the chief purpose of helping to further the interests of all Amateurs in the area. It is difficult for such a group to be "all things" to all Hams particularly when there are so many divergent specialties within the hobby as a whole. It was felt that working in broad general interest areas, that new acquaintances and close kinships could be developed whereby "hams" could learn to call on one another for assistance and ideas, thus enhancing friendships and salvaging many "shelved" projects. It has been gratifying to observe these things take place! It is felt that the two-meter FM project will greatly contribute to this cause.

In behalf of our membership, I want to thank our executive and advisory committeemen who have provided "ham-power" and kept us on the "right-frequency" and on the move.

We have all been happy and grateful to receive 100% cooperation from all hams of whom we have made a request. This has been a real help! We are reaching the point that, hopefully, more of our members will see a job that they would enjoy doing and will volunteer their services. Lee Johnson, our Vice-President and Program Chairman, needs a continuous supply of manpower and ideas so that our programs can be varied and interesting. (Hint! Hint!)

The Raleigh Amateur Radio Society has some very ambitious plans for 1970. With the continued interest and support from you, the membership, the RARS will have another outstanding year.

Thank you for your support and untiring efforts.

Let's go for 1970!

Ed Alderman, WA4PEN

VIC CLARK - OUR DYNAMIC DIRECTOR

On December 12th, Vic Clark, W4KFC, ARRL Roanoke Division Director, was the featured speaker at the December meeting of the Raleigh Amateur Radio Society. Calvin Dempsy, our SCM, as well as numerous members of the Triangle Radio Club, and other guests were present. Vic's message was short and clear and basically this: that like any other special interest group, we tend to factionalize and be intolerant of our fellow ham if he doesn't take our particular view of the hobby. Perhaps I like DX chasing while you like message handling or VHF. The point is that there is room in the hobby for all interests and when hams fight among themselves, it looks far worse to outsiders who don't understand and probably don't care to understand. Ham Radio needs a common bond and while Vic doesn't agree with everything the ARRL does, he recognizes an essential fact: to survive, Amateur Radio needs a common bond and a national voice and in this regard the League is very effective. Organized we stand, but divided we fall. Remember that Ham Radio, like many other things, is a privilege and not a right, and if we become lax or abuse the privilege, we are subject to lose it. Vic encourages fellow hams to write him and air their views on League problems. The major problems in ARRL today, as he sees it, are the following:

1. A need for greater membership participation. Too many hams wait until too late to express opinions about matters of vital concern to the hobby.
2. A need for a more effective League Board of Directors. Here he proposes an increase in Director's meetings to two per year with more standing committees appointed to consider current problems.
3. A need for League Headquarters Staff to be more responsive. It must be friendly and complementary to the amateur fraternity as a whole because amateur radio is, after all, the friendliest hobby in the world.

Along these lines Vic pointed out that the loss of privileges due to incentive licensing was a bitter pill to swallow in some cases. He pointed out that a better selling job should have been done in regard to incentive licensing and that some hams seemed not to care and others cared too late. However, the final result was not as bad as many anticipated. At any rate, it is with us and even so, many hams have not yet been motivated to upgrade. It brings the point home that even privileges can be lost unless we act collectively under a common banner. Instead of sitting back and critizing the League, which after all is only human, lets all pull together to improve it and make ham radio an even better hobby.

Vic then concluded his program with a most interesting slide show on a DX-pedition to Curacao, recent photos of ARRL headquarters, and preparation of the Australis-Oscar 5 amateur satellite. Vic's warmth of personality and effectiveness and frank manner of speaking are testimony to a fact that most of us already knew - that we in the Roanoke Division are indeed fortunate to have such an able and hard-working Director. RARS congradulates you Vic on a job well done.

Tom, WA4OTA

QRM FROM THE EDITOR

This is my first experience in trying to edit a publication. I still have not figured out why I said yes. The publications that have been printed so far have been through the efforts of many people. I usually worry Tom Alexander, WA4OTA, and Bob Corns, K4MC, for a few days in rounding up material. They have been a great help. When I get the material together, I pass it on to Austin Farrell, W2BXE/4, with IBM, for columniation. He then sends the material to Stu Meyer, W2GHK/4, with Aerotran, for layout and printing. Then Stu sends the finished product to several of the RARS members for distribution and mailing in cooperation with the North Carolina Civil Defense. There are many people involved, but I have just mentioned a few. So you see, this publication is the results of the efforts of many.

It will continue to take the efforts of many people to make the publication grow. We will continue to need news items, articles on technical subjects, want-ad items, jokes, letters to the editor, happenings, or projects at your shack, net news, news from other clubs, and anything that will be of interest to our readers. Black and white pictures can be used. Mail your material to RARS Editor, P.O. Box 12541, Raleigh, N.C. 27605, or bring material to the club meetings. The deadline is the 10th of each month.

W4YDY

NC CIVIL DEFENSE NEWS

The following updated RACES plans have been submitted to OCD and FCC for approval:

COUNTY	DATE SUBMITTED
Durham	August 4, 1969
Onslow New RACES Officer Richard A. Dean, WA4MLV New Alternate RACES Officer Samuel W. Dunn, WB4ICF	September 26, 1969
Pasquotank New RACES Officer Albert E. Onley, K4VHV New Alternate RACES Officer M.B. Cartwright, W4JPY	September 16, 1969
Rowan New RACES Officer William C. Parris, K4GHR New Alternate RACES Officer Clarence B. Beaver, Jr. K4SHU	September 26, 1969
New Hanover New RACES Officer Francis G. Haines, WA4GDS New Alternate RACES Officer William L. Stines, K4YHS	October 17, 1969

BUNCOMBE COUNTY AREC

On September 29th at 1845 EDT, the Buncombe County AREC was activated on a standby basis. A civil disturbance had occurred earlier in the morning.

Local civil defense authorities suggested this activation in the event of future disturbance. The system was alerted by telephone. K4TTN assumed control of the ten meter net. The system maintained monitors on the 75 meter section net frequency. One station monitored the local police frequency.

No emergency developed, and the system was secured at 2307 hours EDT. Stations participating was W4AFM, W4TYQ, K4BGT, WA4VNV, WB4LPL, and WA4KWC.

EC Buncombe County, N.C.
Roger Williams Jr. WA4KWC

IF YOU THINK YOU SEND OUT A LOT OF QSL CARDS, READ THIS:

Stu Meyer, W2GHK/4, has for many years sponsored the DX-pedition of the month and is internationally known for his services to the ham radio community. Stu reports that he now averages sending out 100,000 cards a year. In the last 6-1/2 year period, he figures that approximately 650,000 cards have been sent to hams all over the world. At the present time he is supervising QSLing operations from several locations in New York, Pennsyvania, and his home QTH in Raleigh. The system virtually guarantees you a card if you are in the log of the DX station. Stu says that since the

st[illegible]f 5-band DXCC his program has taken a definite upsurge. Frequently seen writing furiously and licking stamps at Stu's QTH are John Fried, W4WWD, Bill McDowell, K4CIA, Tom Alexander, WA4OTA, Keith Neighbors, W4HHN, Lee Johnson, WA4ZNA, and Bert Bailey, W4FMN. Many expeditions send in pictures which Stu includes in his slide show.

LICENSE UPGRADING CLASSES

The next meeting for the license upgrading classes will be January 14, 1970, then every Wednesday at 7:30 PM at the CD headquarters. The material to be covered during January relates to amplitude modulation theory and the generation of AM and SSB signals. The January 28th meeting is subject to cancellation as the instructor may be out of town. Check with Bob, W4CQJ. Phone 787-6044.

FM NET PROGRESS

More and more RARS members are getting on 146.94MHz. President Ed Alderman, WA4PEN, recently completed modifications on his Motorola Sensicon Unit and led the charge. Following close on his heels were Bob Morris, W4KXW, Lee Johnson, WA4ZNA, and Stu Meyer, W2GHK/4. Expected on any day now are Austin Farrell, W2BXE/4, Tom Alexander, WA4OTA, and Bob Corns, K4MC. How long before the Repeater gets built fellows?

NOVICE CLASSES

The first Novice classes conducted by Bob Corns, K4MC, have been completed and his students are in the process of taking their exams. Another class is scheduled to start in January, but Bob needs help. Please contact him if you can be of service.

AUSTRALIS-OSCAR 5

Amateur Radio's fifth satellite is scheduled for a January 9th launch into a polar orbit. For tracking information, see October QST (page 54) and for the latest information, tune in the bulletins on W1AW.

FORMATION OF NEW VOICE NET BELOW 3900kHz

On December 1, 1969, after several weeks of preparation, the N.C. Fone Net was brought into existance.

The stated purpose of the net, as taken from the procedure, is "to provide a specific meeting place where friends may find old friends and meet new friends." Formal and informal traffic will, of course, be handled, but not on the net frequency. Parties involved will establish on the net frequency and then QSY at least 5kHz to pass their traffic.

The N.C. Fone Net will meet each evening at 2030 EST (0130Z) on 3865kHz (or thereabouts), and will remain in session until all traffic is moved and everyone interested has had an opportunity to ragchew.

The first Net election will be held on December 29, 1969 for the purposes of electing officers and resolving what few administrative rules the net will live by. On this date we hope to elect:

1. Net Manager
2. Secretary-Treasurer
3. Two or three directors (One director per 10 members or fraction thereof.)

At present, we are looking for members and NC's. To become a member of the Net, it is merely necessary to check in and send one buck to: WB4CZJ, Stan, Box 724, Plymouth, N.C. 27962. All amateurs joining the net on or before December 29, 1969 will be declared "Charter Members" (a once-in-a-lifetime opportunity).

Whether the net thrives, or dies an agonizing death, is dependent on the services it provides to the amateur fraternity. We have high hopes for an infinitely successful operation.

Stan, WB4CZJ
Acting Net Secretary

MINI TECHNICAL REVIE[illegible]

December QST has a couple of good articles on transistors and MOSFETS. There's good information on in-line RF power metering, a triband vertical, a power supply for the KW boys, and a 1296MHz converter for the UHF fan. and Lewis McCoy answers some common questions. (It looks like he got his questions from 75 meter phone, but I'm glad he didn't use their answers!!!)

CQ for December has the first part of a two-part series on Field Effect Transistors. Slow-scan TV and instant service nets offer that kind of information for those that are interested.

December "73" is full of technical articles as usual. Good articles on math calculations, transistor PA design, magnetism, and oscillators are all very useable in going for the higher class license. Fifteen to twenty more articles round out their usual long list.

Next month, I hope the mailman will bring my copy of "Ham Radio" in time for this review.

W4YDY

NCN EARLY NET
NOVEMBER 1969 REPORT

SESSIONS 30 TOTAL TIME 593 mins
TOTAL QNI 202 AVG NET TIME 20 mins
AVG QNI 6.7 Different Stns 30

TOTAL TFC 95 AVG TFC 3.2 Message Rate .16

We note with optimism the November traffic total of 95, more than double the October count!

STATIONS QNI

W4EVN W4VTR W4IRE W4FMT W4RWL W4JQO
W4ATC K4MPE K4IEP K4MC K4CWZ K4CPX
K4TST K4DJZ K4YCL K4CAX WA4QWQ WA4TIR
WB4ILO WB4GHK WB4HGT WB4ETF WB4BGL WB4MQC
WB4MLI WB4IJH WB4MGW

and OUT-OF-STATE: W8ZNC K4UOR W4WXZ/4

Cities on the Early Net 4 times or more - 12

NONE DUTY ROSTER

Day	NCS	4RN REP	4RN NCS
Mon	K4MC	W4EVN	W4EVN
Tue	WB4MQC	W4FMT	W4IRE
Wed	W4IRE	WB4MQC	
Thu	W4RWL	W4WHT	
Fri	W4IRE	WB4HGT	(local time)
Sat			
Sun	W4EVN	WB4MQC	

To paraphrase a well-worn statement, "The NON is ALL of us, so let's all do our bit." Entirely too few are doing too much! Surely there are five more of you who can afford to make your mark on 3573 or 3567 once a week. 'Nuff said?

FOR NET CONTROLS

1. Always QNY your men up from 3573 as down puts 'em on top of the WVN.
2. You will soon have in your hands a list of frequent phone-net outlets for our traffic. We will have to combine this with more regular phone-net liaison to get the stuff delivered. Week-old messages could be pretty dull reading.
3. When possible, lets keep the Net going for 15 minutes. I always get some additional check-ins during the last five minutes of a 15-minute session.

TARHEEL EMERGENCY NET - 3923 kHz

Net report for November 1969

Total sessions 30
Total QNI 1087 Average QNI 36
Total QTC 104 Average QTC 3.4
Total Time 812m Average Time 27 min.
Rate .129

34 50% cities as follows:

Albemarle, Ashville, Badin, Bladen[illegible], Black Mountain, Chapel Hill, Clarkton, Concord, Farmville, Fayetteville, Fuquay-Varina, Gastonia, Greenville, Greensboro, Hamlet, Hickory, Jacksonville, Kinston, Laurinburg, Lenoir, Lumberton, Morganton, Newport, Norwood, Peachland, Plymouth, Raleigh, Ramseur, Rose Hill, Rocky Mount, Selma, Tarboro, Wadesboro, and Winston-Salem.

WN4LSU, Henry Leitch, a member of Yadkin Valley Amateur Club has taken the examination for General Class and passed, so you will be hearing him on the phone bands soon. The Yadkin Valley club is about to finish up another novice class. The club will not start anymore classes until next spring.

Clarence Blalock, K4EO

NORTH CAROLINA SSB NET

Net report for November 1969

30 sessions recorded. QNS 751 QTC 17
Average net time 13.9 min.

Day	NCS	Alternate NCS
Mon	WA4SQA/WB4EEM	
Tue	WA4YEV	WA4GTB
Wed	K4NYU	WA4KWC
Thu	K4NUG	WA4LWE
Fri	K4ZKQ	WA4MUD
Sat	K4TTN	
Sun	WB4CON	

The North Carolina SSB Net meets daily at 1930 EST on 3938kHz. All who will are invited to join. The sessions are short and efficient.

Roger Williams Jr., WA4KWC

SATURDAY NET

This is our most neglected Net. It will now be even more neglected until I can have a 4RN rep replacement and an NCS volunteer also. W4IRE has held the Saturday 4RN spot for quite a while; however the backlog of other jobs here is such that I can no longer contribute eight evenings per month to 4RN needs.

NCN/SCN COMBINED SECTION NET

How do these specifications sound? TIME: 2345Z (6:45PM EST); FREQ: 3573kHz; NAME: Carolina Net (CARN).

A quick scan of the Net Directory (CD-50) reveals no name duplication. The time of 2345Z is listed because the SC phone net meets at 0000Z. Nick, K4BBS, says that incentive licensing has made the SCN frequency of 3795 less useful from the standpoint of attracting check-ins from the phone band. (We know about an antenna design that will take care of that problem, don't we?) (i.e., the W4PVT Broad-Band)

THE RALEIGH AMATEUR RADIO SOCIETY

The RARS has as one of its prime projects the publication of a monthly Bulletin, available to Clubs (bulk mailed for the cost of the postage), Civil Defense groups, and others. They want "inputs" from all who care to contribute--"This is everyone's publication, so here is your chance to get your two-cents worth in. Send in news items, articles on technical subjects, want ad items, jokes, letters to the editor, happenings or projects at your shack, and anything that will be of interest to our readers. Mail them to RARS, P.O. Box 12541, Raleigh, N.C. 27605. The deadline is the 10th of the month. With your help, we can have a better publication."

73,

John, W4IRE (12/8/69)

THIS BULLETIN PRINTED COURTESY OF AEROTRON

N. C. CIVIL DEFENSE AGENCY
P. O. BOX 2596
RALEIGH, N. C. 27602

YOUR INSURANCE
AGAINST DISASTER
CIVIL DEFENSE

RALEIGH DEC 31 '69 N.C. U.S.POSTAGE .06 PB METER PB.875686

Dec 31, 1969